PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No: 06005/39537

PATENT APPLICATION TRANSMITTAL UNDER 37 C.F.R. 1.53

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Alexand	ria, VA 2	22313-1450							
Sir:									
Transmi	tted here	with for filing is the patent application of							
Inventors:		Gary Law, Michael G. Ott, Kent A. Burr, Godrey R. Sherriff, and Julian Naidoo							
Title:		STATE MACHINE FUNCTION BLOCK WITH A USER MODIFIABLE STATE TRANSITION CONFIGURATION DATABASE							
1.	Type of	Application							
	\boxtimes	This is a new application for a							
		utility patent.							
-		design patent.							
		This is a continuation-in-part application of prior application.							
2.	Applica	tion Papers Enclosed							
	1	Title Page							
	24	Pages of Specification (excluding Claims, Abstract, Sequence Listing & Drawings)							
	18	Page(s) of Claims							
	1	Page(s) of Abstract							
	13	Sheet(s) of Drawings (Figs. 1 to 17)							
		Formal							
		Informal							
	0 Page(s) of Sequence Listing								
		CERTIFICATION UNDER 37 CFR 1.10							

I hereby certify that this Patent Application Transmittal and the documents referred to as enclosed therewith are being deposited with the United States Postal Service on September 5, 2003, in an envelope addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service under Mailing Label No. EV 323 774 832 US.

Richard Zimmerman

3.	Declara	ition or C	Dath			
			Enclose	ed		
				Execute	d by (che	eck all applicable boxes)
					Invento	r(s)
						epresentative of inventor(s) R 1.42 or 1.43)
						ventor or person showing a proprietary interest on behalf of r who refused to sign or cannot be reached
						The petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 are enclosed. See Item 5D below for fee.
						igned attorney or agent is authorized to file this application (s). An executed declaration will follow.
4.	Small I	Entity Sta	atus			·
		Applica	nt claims	s small er	ntity statu	s. See 37 CFR 1.27.
-			A small	l entity st	atement i	s(are) attached.
5.	Additio	nal Pape	ers Enclo	osed		
			Prelimi	nary Am	endment	
			Informa	ation Disc	closure S	tatement
			Declara	tion of B	iological	Deposit
			_	uter reada	able copy	of sequence listing containing nucleotide and/or amino
			Microfi	iche com	puter pro	gram
			Associa	ate Power	r of Attor	ney
			Verifie	d translat	ion of a r	non-English patent application
			An assi	gnment o	of the inv	ention
			Reques	t and Cer	tification	Under 35 U.S.C. 122(b)(2)(B)(i)
		\boxtimes	Return	receipt p	ostcard	
			Other:	Applicati	on Data S	Sheet

	disease for a selection of the contract NOC 11	10 '1-' 1 E-4-1 b-1 1							
Certified copies of applications from which priority under 35 USC 119 is claimed are listed below and									
are attac									
 COUNTRY	APPLICATION NO.	FILED							

7. Filing Fee Calculation (37 CFR 1.16)

A. Utility Application

CLAIMS AS FILED - INCLUDING PRELIMINARY AMENDMENT(S) (IF ANY)							
			SMAI	LL ENTITY	OTHER THAN A SMALL ENTITY		
	NO. FILED	NO. EXTRA	RATE	FEE	RATE	FEE	
BASIC FEE				\$375.00		\$750.00	
TOTAL	79 - 20	= 59	X 9=	\$0.00	X 18 =	\$1062.00	
INDEP.	4- 3	= 1	X 42 =	\$0.00	X 84 =	\$84.00	
First Presentation	of Multiple Dependent C	laim	\$0.00	+ 280 =	\$0.00		
Filing Fee:				\$0.00	OR	\$1,788.00	

В.		Design Application (\$165.00/\$330.00) Filin	g Fee:	\$
C		Plant Application (\$255.00/\$510.00) Filin	g Fee:	\$
D.	Other	Fees		
		Recording Assignment [Fee — \$40.00 per assignment]		\$
		Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached [Fee — \$130.00]		\$
		Other		\$

Total Fees Enclosed \$1,788.00

8. Method of Payment of Fees

\boxtimes	Enclo	Enclosed check in the amount of:						
		Charge Deposit Account No. 13-2855 in the amount of: A copy of this Transmittal is enclosed.	\$					
		Not enclosed						

9. Deposit Account and Refund Authorization

The Commissioner is hereby authorized to charge any deficiency in the amount enclosed or any additional fees which may be required during the pendency of this application under 37 CFR 1.16 or 37 CFR 1.17 or under other applicable rules (except payment of issue fees), to Deposit Account No. 13-2855. A copy of this Transmittal is enclosed.

Please refund any overpayment to Marshall, Gerstein & Borun at the address below.

10. Correspondence Address

Customer No.: 04743

Respectfully submitted,

By:

Gregory E. Stanton Reg. No: 45,127

MARSHALL, GERSTEIN & BORUN

6300 Sears Tower

233 South Wacker Drive

Chicago, Illinois 60606-6357

(312) 474-6300

(312) 474-0448 (Telefacsimile)

September 5, 2003

PTO/SB/17 (05-03)
Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Pa	aperwork Reduction Act of 1995, no persons are requi	ired to	espond t	o a co	llection of				ntrol number	
CC	ETDANICMITTAL		Complete if Known							
FE	E TRANSMITTAL		Application Number			er 1	Not Yet Assigned			
1	for FY 2003	Filing Date			September 5, 2003 - Herewith					
Effective	01/01/2003, Patent fees are subject to annual revision.	First Named Inventor			Gary Law					
Lifective			Exami	ner N	lame	1	Not Yet Assigned			
Applica	ant claims small entity status. See 37 CFR 1.27	l	Art Un	it		1	N/A			
TOTAL AMO	UNT OF PAYMENT (\$) 1,788.00				cket No	. (06005/395	537		
METHO	DD OF PAYMENT (check all that apply)				FEE	CALCUL	ATION (cor	ntinued)		
	Cendit Manay	2	ADDITIO	38181				idiraday		
X Check	Card Order Other None	3. F	אוווטטא	JNAL	. FEE3					
Deposit A	ccount									
Deposit Account	13-2855	Fee	e Entity Fee	Fee	II Entity Fee	•				
Number	13-2033	Code		Code			Fee Desci	ription	Fee Paid	
Deposit	MARSHALL, GERSTEIN &	1051	130	2051	65	Surcharge ~	late filing fee	e or oath		
Name	BORUN LLP	1052	50	2052	25	-		nal filing fee or cover	-	
The Director is i	hereby authorized to: (check all that apply)	1002	30	2002	2.5	sheet.	•	-	L	
Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-English	specification	1	Ll	
X Charge any application	additional fee(s) during the pendency of this	1812	2,520	1812	2,520	For filing a re	quest for ex pa	arte reexamination		
		1804	920*	1804	920*		publication of	SIR prior to		
	s) indicated below, except for the filing fee ntified deposit account.	4005	4 0401	4005	4 0 40*	Examiner ac Requesting	tion publication of	SIR after		
to the above-ide		1805		1805	•	Examiner ac	tion			
4 BASICEU	FEE CALCULATION	1251	110	2251 2252			sion for reply within first month			
1. BASIC FIL	ing FEE	1252 1253	ł	2252			ension for reply within second month ension for reply within third month			
, ,				2254			tension for reply within fourth month			
	(\$) Code (\$)									
1	750 2001 375 Utility filing fee 750.00 330 2002 165 Design filing fee			2255 2401			ension for reply within fifth month tice of Appeal			
,				2402		•	in support of	f an anneal		
1	004 375 Reissue filing fee	1402 1403		2403		_	equest for oral hearing			
1005 160 2005 80 Provisional filing fee			1,510	1451	1,510	-	Petition to institute a public use proceeding			
	SUBTOTAL (A) (B) 750.00	1452	110	2452	55	Petition to re	evive – unavo	oidable		
	SUBTOTAL (1) (\$) 750.00	1453	1,300	2453	650	Petition to re	evive - uninte	ntional		
2. EXTRA CL	AIM FEES FOR UTILITY AND REISSUE	1501	1,300	2501	650	Jtility issue fee (or reissue)				
	Extra Fee from Claims below Fee Paid	1502	470	2502	235	Design issue fee			1	
Total Claims 7	79 -20** = 59 x 18.00 = 954.00	1503	630	2503	315	Plant issue f	ee			
Independent Claims	4 -3** = 1 x 84.00 = 84.00	1460	130	1460	130	Petitions to f	the Commiss	ioner		
Multiple Depende	ent	1807	50	1807	50	Processing t	fee under 37	CFR 1.17(q)		
Large Entity Sr	mall Entity	1806	180	1806	180	Submission	Submission of Information Disclosure Stmt			
	ee Fee ode (\$) Fee Description	8021	40	8021	40		ach patent as nes number o	ssignment per		
	(3) Code (3)			2809	375	Filing a subr	nission after	final rejection		
1201 84 22	1					(37 CFR 1.1 For each ad		ntion to be		
1	280 2203 140 Multiple dependent claim, if not paid			2810			r each additional invention to be amined (37CFR 1.129(b))			
1204 84 22	204 42 ** Reissue independent claims over original patent	1801		2801		-		xamination (RCE)		
1205 18 22	205 9 ** Reissue claims in excess of 20	1802	900	1802	900	of a design a	expedited ex application	tamination		
	and over original patent	Other	fee (spe	cify)	1614; 1615	Claims - ext		ent (over three);		
1 '	SUBTOTAL (2) (\$) 1788.00	*Parl	uced by E	Rasin I				7AL (3) (\$)		
**or number pre	eviously paid, if greater, For Reissues, see above	'```	Lood by t	-uoic	yı cc		555101	(v) ((v)		
SUBMITTED BY		==		==			Complete /	if applicable)		
Name (Print/Type	Gregory E. Stanton		gistration No. orney/Agent) 45,127 Telephone (312) 474-6300				<u> </u>			
ļ	Oregory L. Grantun	i i i i i i i i i i i i i i i i i i i								
Signature	1 · / - KA		Date September 5, 2003					2003		

I hereby certify that this corres	pondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 323774832 US,
in an envelope addressed to:	MS Patent Application, Commissions for Pate Its, P.O. Box 1450, Alexandria, VA 22313-1450, on the
date shown below.	MS Patent Application, Commission for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the
	Mark I may see

Dated: September 5, 2003

Signature: A 1 Mour famme (Richard Zimmermann)